

Z900 PROGRAM FUNCTION MAP

NOTE: Refer to Section 5 for U.L. Listed System requirements

Factory Default Values For All Functions Are Shown In Brackets []. Valid Ranges Are Shown Inside { }.

USER LEVEL PROGRAMMING

| | | |
|--|--|---|
| User Authorization Codes. Use any four digits (0-9). Digits may repeat | 001 MASTER USER AUTHORIZATION CODE [1245] _____ program four digits for maximum security. 002 USER CODE 2 [FFFF] _____ 003 USER CODE 3 [FFFF] _____ 004 USER CODE 4 [FFFF] _____ | 005 USER CODE 5 [FFFF] _____ 006 USER CODE 6 [FFFF] _____ |
| | * [F's] indicate the code is deleted. USER CODE 1 = Master User Authorization Code. | |
| Counters, Timers, and Special Use Functions | 007 USAGE COUNT CODE 06 [255] _____ {1-254, 255=permanent} 008 TIME UNTIL NEXT COMMUNICATOR TEST [0-24] _____ 009 CLEAR ALARM MEMORY {no value required} 010 DELETE CODES {1-6, 0 will delete the installer code} 011 ENTRANCE 1 TIME IN SEC. [30] _____ {1-255} 012 ENTRANCE 2 TIME IN SEC. [46] _____ {1-255} 013 EXIT TIME IN SECONDS [60] _____ {1-255} 014 ACCESS TIME IN SECONDS [5] _____ {0-255, 0 = LATCH} 015 DELAY BURG OUTPUT IN SEC. [0] _____* | 016 BURG CUTOFF TIME IN MIN. [10] _____** 017 AUX "A" CUTOFF TIME IN MIN. [255] _____** 018 AUX "B" CUTOFF TIME IN MIN. [10] _____** 019 AUX "C" CUTOFF TIME IN MIN. [10] _____** * {0-255} ** {1-254, 0 or 255 = Never cutoff} 020 TIME BETWEEN COMM. TEST [1] _____ {0-7, 0 = 12 hours, 1-7 = 1 to 7 days} 021-032 EXITS TO PROGRAMMING ENTRY 033 BEGIN UPLOAD DATA {no value required} |

INSTALLER LEVEL PROGRAMMING

| | | | |
|---|---|--|-------------------------------------|
| Configuration Digits for User Codes 1 - 6 (0-15) Refer to Table 6 | 034 CODE 1 [3] _____ 035 CODE 2 [3] _____ 036 CODE 3 [3] _____ | 037 CODE 4 [3] _____ 038 CODE 5 [3] _____ 039 CODE 6 [3] _____ | 040 EXITS TO PROGRAMMING ENTRY MODE |
| Zone Definitions (1-255) | 041 ZONE 1 [64] _____ 042 ZONE 2 [72] _____ 043 ZONE 3 [81] _____ | 044 ZONE 4 [65] _____ 045 ZONE 5 [65] _____ 046 ZONE 6 [65] _____ | (Refer to the Zone Planning Guide) |
| Digital Communicator Setup | 047 COMMUNICATOR DISABLE/DELAY IN SECONDS [0] _____ {0-255, 0 disables communicator} 048 DIAL ATTEMPTS BEFORE SHUTDOWN TELEPHONE NUMBER 1* [8] _____ {1-15} <small>Note: Odd value (1, 3, etc.) will disable the fail to communicate warning.</small> 049 DIAL ATTEMPTS BEFORE SHUTDOWN TELEPHONE NUMBER 2* [8] _____ {1-15} | | |
| | 050 DUAL REPORTING OF ALARMS [0] _____ {0=N 1=Y} 051 DUAL REPORTING OF NON-ALARMS [0] _____ {0=N 1=Y} | * U.L. requires 5 dial attempts minimum, 10 maximum. An even value (6 or 8) shall be selected to enable the Fail to Communicate. | |
| | 052 COMMUNICATOR ON-HOOK TIME IN SECONDS [3] _____ {0-255} 053 TIME BETWEEN DIAL ATTEMPTS IN SECONDS [10] _____ {0-15} 054 ABORT COMMUNICATOR UPON DISARMING [0] _____ {0=N 1=Y} 055 DISABLE DIALER TEST ON POWER-UP [0] _____ {0=N 1=Y} 056 EXCEPTION OPENING/SYSTEM RESTORE [0] _____ {0=N 1=Y} | | |
| Account Number Telephone Number 1 (0-15) | 057 DIGIT 1 [0] _____ (See note) | 058 DIGIT 2 [8] _____ | 059 DIGIT 3 [8] _____ |
| | Note: Digit 1 MUST ALWAYS be "0" unless 4/2 format is enabled (Function 63). A "0" signifies no entry. To report the number "0", a "10" must be programmed. TRANSPORT-PC and some receivers translate numbers 10,11,12,13,14,15 to hexadecimal characters A,B,C,D,E,F, respectively. | | |
| Reporting Formats for Telephone Number 1 (0-15) | 061 TRANSMISSION FORMAT [0] _____ {0-7} 062 SINGLE ROUND REPORT [0] _____ {0=N 1=Y} 063 4/2 TRANSMISSION FORMAT [0] _____ {0=N 1=Y} 064 EXTENDED STANDARD [0] _____ {0=N 1=Y} | 065 EXTENDED SINGLE LINE [0] _____ {0=N 1=Y} 066 PARITY CHECKSUM [0] _____ {0=N 1=Y} 067 TOUCHTONE DIALING [0] _____ {0=N 1=Y} | |

NOTE: Refer to Section 5 for U.L. Listed System requirements

| | | | | | | |
|---|------------------|-----------|--------------------|-----------|---------------------|-----------|
| Reporting Codes Telephone 1 (Range 0-15) Defaults are [15] | 068 ZONE 1 | [3] _____ | 076 KP PANIC "C" | [4] _____ | 084 LOW BATTERY | [0] _____ |
| | 069 ZONE 2 | [3] _____ | 077 DURESS | [0] _____ | 085 BATTERY RESTORE | [0] _____ |
| | 070 ZONE 3 | [3] _____ | 078 OPENING | [0] _____ | 086 AC FAILURE | [0] _____ |
| | 071 ZONE 4 | [3] _____ | 079 CLOSING | [0] _____ | 087 AC RESTORE | [0] _____ |
| | 072 ZONE 5 | [3] _____ | 080 SHUNTED ZONE | [0] _____ | 088 MEMORY ERROR | [0] _____ |
| | 073 ZONE 6 | [3] _____ | 081 CANCEL | [0] _____ | 089 AUTO TEST | [0] _____ |
| | 074 KP PANIC "A" | [1] _____ | 082 ZONE RESTORE | [0] _____ | | |
| | 075 KP PANIC "B" | [2] _____ | 083 SUPERVISORY/TB | [0] _____ | | |

| | | | | | | | | |
|--|--------|---------|---------|---------|---------|---------|---------|---------|
| Number To Dial Telephone 1 (0-15) Defaults are [15] | 090 D1 | 091 D2 | 092 D3 | 093 D4 | 094 D5 | 095 D6 | 096 D7 | 097 D8 |
| | 098 D9 | 099 D10 | 100 D11 | 101 D12 | 102 D13 | 103 D14 | 104 D15 | 105 D16 |

NOTE: A 0 or 10 = dialing number "0", 11 and 12 = Touchtone "*" and "#", 13 = three second dialing pause, 14 = additional wait for dial tone, 15 = end of dialing and MUST be programmed after the last valid number.

| | |
|-------------------|---|
| Special Functions | 106 AUDIO LISTEN-IN CAPABILITY TELEPHONE NUMBER 1 [0] _____ {0=N 1=Y} |
| | 107 EXITS TO PROGRAMMING ENTRY MODE |
| | 108 COPY TEL. 1 ACCOUNT, FORMAT AND REPORTING CODES TO TEL. 2 {no value required} |
| | 109 COPY TEL. 1. DIALED NUMBER TO TEL. 2 {no value required} |

| | | | | |
|----------------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|
| Account Number Telephone 2(0-15) | 110 DIGIT 1 [0] _____ (See note) | 111 DIGIT 2 [8] _____ | 112 DIGIT 3 [8] _____ | 113 DIGIT 4 [8] _____ |
|----------------------------------|----------------------------------|-----------------------|-----------------------|-----------------------|

Note: Digit 1 MUST ALWAYS be "0" unless 4/2 format is enabled (Function 114). A "0" signifies no entry. To report the number "0", a "10" must be programmed. TRANSPORT-PC and some receivers translate numbers 10,11,12,13,14,15 to hexadecimal characters A,B,C,D,E,F, respectively.

| | | | | |
|-------------------------------|-----------------------------|---------------------|--------------------------|---------------------|
| Reporting Formats Telephone 2 | 114 TRANSMISSION FORMAT | [0] _____ {0-7} | 118 EXTENDED SINGLE LINE | [0] _____ {0=N 1=Y} |
| | 115 SINGLE ROUND REPORT | [0] _____ {0=N 1=Y} | 119 PARITY CHECKSUM | [0] _____ {0=N 1=Y} |
| | 116 4/2 TRANSMISSION FORMAT | [0] _____ {0=N 1=Y} | 120 TOUCHTONE DIALING | [0] _____ {0=N 1=Y} |
| | 117 EXTENDED STANDARD | [0] _____ {0=N 1=Y} | | |

| | | | | | | |
|--|------------------|-----------|--------------------|-----------|---------------------|-----------|
| Reporting Codes Telephone 2 (Range 0-15) | 121 ZONE 1 | [3] _____ | 129 KP PANIC "C" | [4] _____ | 137 LOW BATTERY | [0] _____ |
| | 122 ZONE 2 | [3] _____ | 130 DURESS | [0] _____ | 138 BATTERY RESTORE | [0] _____ |
| | 123 ZONE 3 | [3] _____ | 131 OPENING | [0] _____ | 139 AC FAILURE | [0] _____ |
| | 124 ZONE 4 | [3] _____ | 132 CLOSING | [0] _____ | 140 AC RESTORE | [0] _____ |
| | 125 ZONE 5 | [3] _____ | 133 SHUNTED ZONE | [0] _____ | 141 MEMORY ERROR | [0] _____ |
| | 126 ZONE 6 | [3] _____ | 134 CANCEL | [0] _____ | 142 AUTO TEST | [0] _____ |
| | 127 KP PANIC "A" | [1] _____ | 135 ZONE RESTORE | [0] _____ | | |
| | 128 KP PANIC "B" | [2] _____ | 136 SUPERVISORY/TB | [0] _____ | | |

| | | | | | | | | |
|---|--------|---------|---------|---------|---------|---------|---------|---------|
| Number To Dial Telephone 2(0-15) Defaults are [15] | 143 D1 | 144 D2 | 145 D3 | 146 D4 | 147 D5 | 148 D6 | 149 D7 | 150 D8 |
| | 151 D9 | 152 D10 | 153 D11 | 154 D12 | 155 D13 | 156 D14 | 157 D15 | 158 D16 |

NOTE: Program these Functions in the same manner as Functions 090 - 105

| | |
|-------------------|---|
| Special Functions | 159 AUDIO LISTEN-IN CAPABILITY TELEPHONE NUMBER 2 [0] _____ {0=N 1=Y} |
| | 160 NUMBER OF RINGS UNTIL COMMUNICATOR AUTOMATICALLY ANSWERS [0] _____ {0-15} |

| | | | | | | | | |
|---|--------|---------|---------|---------|---------|---------|---------|---------|
| Upload/Download Callback Phone Number To Dial (0-15) Defaults are [15] | 161 D1 | 162 D2 | 163 D3 | 164 D4 | 165 D5 | 166 D6 | 167 D7 | 168 D8 |
| | 169 D9 | 170 D10 | 171 D11 | 172 D12 | 173 D13 | 174 D14 | 175 D15 | 176 D16 |

NOTE: Program these Functions in the same manner as Functions 090 - 105

NOTE: Refer to Section 5 for U.L. Listed System requirements

| | | | | |
|---|--|---|---|----------------------|
| Control Options All except #181 are Yes/No format (0=No, 1=Yes) | 177 TWO DIGIT ARMING * | [0] _____ | 185 KEYSWITCH MODE CHANGE | [0] _____ |
| | 178 ENABLE FORCE ARMING * | [0] _____ | 186 SUPERVISORY/DAY ALERT LATCH | [0] _____ |
| | 179 PERMANENT FORCE ARMING (SHUNT) * | [0] _____ | 187 AUTOMATIC INTERIOR OFF | [0] _____ |
| | 180 DELAY BURGLAR RESTORE UNTIL CUTOFF | [0] _____ | 188 EXTEND BA LOOP STABILIZATION | [0] _____ |
| | 181 BURGLAR ALARM REPORTS UNTIL LOCKOUT {0-15, 0=No communicator lockout} | [0] _____ | 189 DISABLE INTERIOR FOLLOWER | [0] _____ |
| | 182 PULSING BURGLAR ALARM OUTPUT ** | [0] _____ | 190 INTERIOR ON/OFF AVAIL. IF ARMED | [0] _____ |
| | 183 PULSING AUXILIARY "A"(FIRE ff) OUTPUT*** | [1] _____ | 191 DELAY OFF WHEN INTERIOR OFF | [0] _____ |
| | 184 BURGLAR LOOP AUDIBLE LOCKOUT | [0] _____ | 192 SIREN/BELL TEST UPON ARMING | [0] _____ |
| | | | 193 RESET TEST TIMER ON KISSOFF | [0] _____ |
| | | | 194 INTERIOR DEFAULT UPON DISARM | [0] _____ |
| Control Station Options (0=No, 1=Yes) | 195 DISABLE KEYPAD SHUNTING | [0] _____ | 199 DISABLE KEY 8 WALK TEST | [0] _____ |
| | 196 DISABLE KEY 4 INTERIOR ON/OFF | [0] _____ | 200 SILENT KEYPAD ON BURGLAR | [0] _____ |
| | 197 DISABLE KEY 6 CHIME ON/OFF | [0] _____ | 201 SILENT KEYPAD/NO LED BLINK ON AUX "B" | [0] _____ |
| | 198 DISABLE KEY 7 POWER INTERRUPT | [0] _____ | 202 START ENTRANCE DELAY1 ON KP ENTRIES | [0] _____ |
| Zone Supervisory/ | 203 ZONE 1 [0] _____ | 205 ZONE 3 [0] _____ | Trouble upon: {0=OPEN 1=SHORT} | 207 ZONE 5 [0] _____ |
| | 204 ZONE 2 [0] _____ | 206 ZONE 4 [0] _____ | | 208 ZONE 6 [0] _____ |
| Extended Report Digits (0-15) For: User Codes 1-6 | 209 CODE 1 [1] _____ | 212 CODE 4 [4] _____ | 215 EXTENDED KEYSWITCH ZONE REPORTING CODE [7] _____ | |
| | 210 CODE 2 [2] _____ | 213 CODE 5 [5] _____ | | |
| | 211 CODE 3 [3] _____ | 214 CODE 6 [6] _____ | | |
| | | | | |
| Zone Alarms | 216 ZONE 1 [1] _____ | 218 ZONE 3 [3] _____ | 220 ZONE 5 [5] _____ | |
| | 217 ZONE 2 [2] _____ | 219 ZONE 4 [4] _____ | 221 ZONE 6 [6] _____ | |
| Zone Restorals | 222 ZONE 1 [1] _____ | 224 ZONE 3 [3] _____ | 226 ZONE 5 [5] _____ | |
| | 223 ZONE 2 [2] _____ | 225 ZONE 4 [4] _____ | 227 ZONE 6 [6] _____ | |
| Zone Shunts | 228 ZONE 1 [1] _____ | 230 ZONE 3 [3] _____ | 232 ZONE 5 [5] _____ | |
| | 229 ZONE 2 [2] _____ | 231 ZONE 4 [4] _____ | 233 ZONE 6 [6] _____ | |
| Zone Supervisory/ Troubles. | 234 ZONE 1 [1] _____ | 236 ZONE 3 [3] _____ | 238 ZONE 5 [5] _____ | |
| | 235 ZONE 2 [2] _____ | 237 ZONE 4 [4] _____ | 239 ZONE 6 [6] _____ | |
| Misc. Extended Reporting Digits | 240 EXTENDED AC CODE | [10] _____ | 244 EXTENDED KEYPAD PANIC "A" CODE | [9] _____ |
| | 241 EXTENDED BATTERY CODE | [9] _____ | 245 EXTENDED KEYPAD PANIC "B" CODE | [9] _____ |
| | 242 EXTENDED MEMORY ERROR CODE | [15] _____ | 246 EXTENDED KEYPAD PANIC "C" CODE | [9] _____ |
| | 243 EXTENDED TEST CODE | [9] _____ | 247 EXTENDED MISSING KEYPAD CODE | [15] _____ |
| | | | | |
| Special Purpose All are Yes/No format except #251, #252, #255, #256 & #264-269 (0=No, 1=Yes) | 248 ELIMINATE BURG ZONE EOLR SUPERVISION [0] _____ | | | |
| | 249 EXITS TO PROGRAMMING ENTRY MODE | | | |
| | 250 RESTORE USER CODE 1 DEFAULT VALUE _____ (NO VALUE REQUIRED) | | | |
| | 251 FAST LOOP RESPONSE TIME [2] _____ {0-15} | 0=80ms, 1=40ms, 2=80ms, 3=120ms, 4=160ms, 5=200ms, 6=320ms, 7=480ms, 8=600ms, 9=800ms, 10=1sec, 11=2sec, 12=4sec, 13=6sec, 14=8sec, 15=10sec | | |
| | 252 SLOW LOOP RESPONSE TIME [6] _____ {0-15} | | | |
| | 253 EXITS TO PROGRAMMING ENTRY MODE | | | |
| | 254 RESTORE FACTORY DEFAULTS [0] _____ {0-1} | | | |
| | 255 INSTALLER PROGRAM AUTHORIZATION CODE _____ [96321] | | | |
| | 256 ASSIGNABLE OUTPUT (TERM.3) DEFINITION [0] _____ {0-4} | | | |
| | 257 BURGLAR ALARM ACTIVATES ASSIGNABLE OUTPUT (TERM.3) [1] _____ {0-1} | | | |
| | 258 AUX "A"(FIRE ff) ALARM ACTIVATES ASSIGNABLE OUTPUT (TERM.3) [1] _____ {0-1} | | | |
| | 259 AUX "B"(POLICE) ALARM ACTIVATES ASSIGNABLE OUTPUT (TERM.3) [1] _____ {0-1} | | | |
| | 260 AUX "C"(EMERGENCY) ALARM ACTIVATES ASSIGNABLE OUTPUT (TERM.3) [1] _____ {0-1} | | | |
| | 261 DISABLE KEYPAD PANIC AUX "A" (FIRE ff) [0] _____ {0-1} | | | |
| | 262 DISABLE KEYPAD PANIC AUX "B" (POLICE) [0] _____ {0-1} | | | |
| | 263 DISABLE KEYPAD PANIC AUX "C" (EMERG.) [0] _____ {0-1} | | | |
| | 264-266 FACTORY USE - NOT PROGRAMMABLE (264 EXITS TO PROGRAMMING ENTRY MODE) | | | |
| | 267 TELEPHONE NUMBER 1 UPLOAD/DOWNLOAD COMPLETED REPORTING CODE [9] _____ {0-15} | | | |
| | 268 TELEPHONE NUMBER 2 UPLOAD/DOWNLOAD COMPLETED REPORTING CODE [9] _____ {0-15} | | | |
| | 269 EXTENDED UPLOAD/DOWNLOAD COMPLETED REPORTING CODE [9] _____ {0-15} | | | |
| | 270 PULSE DIALING 66/33 MAKE/BREAK RATIO [0] _____ {0-1} NOTE: 0=U.S. & NORTH AMERICAN SETTING | | | |
| 271 KEYPAD PANIC 3 SECOND (HOLD OR PRESS TWICE) MODE [1] _____ {0-1} (0= INSTANT 1= 3 SECOND MODE) | | | | |

* Not to be programmed in U.L. Listed Systems.

** Must be programmed with a value of "1" in U.L. Listed Systems.

C *** Must be programmed with a value of "0" in U.L. Listed Systems.

NOTE: Refer to Section 5 for U.L. Listed System requirements

Zone Planning Guide

| ZONE TYPE | DEFINITION | VALUE | ZONES | | | | | |
|--------------------------------------|-----------------------------|-------|-------|----|----|----|----|----|
| | | | 01 | 02 | 03 | 04 | 05 | 06 |
| BURGLAR LOOPS ** | ENTRY DELAY 1 | = 0 | | | | | | |
| | INSTANT | = 1 | | | | | | |
| | SILENT INSTANT | = 7 | | | | | | |
| | ENTRY DELAY 2 | = 8 | | | | | | |
| | INTERIOR | = 16 | | | | | | |
| | NON-SHUNTABLE | = 32 | | | | | | |
| | SLOW RESPONSE | = 64 | | | | | | |
| | SUPERVISORY/TBL | = 128 | | | | | | |
| AUXILIARY "A" (ff FIRE) | | = 2 | | | | | | |
| | SHUNTABLE †† | = 32 | | | | | | |
| | SLOW RESPONSE | = 64 | | | | | | |
| AUXILIARY "B" (POLICE) | | = 3 | | | | | | |
| | NO AUX. "B" ALARM OUTPUT | = 8 | | | | | | |
| | NO VIOLATION OUTPUT ON Z729 | = 16 | | | | | | |
| | SHUNTABLE †† | = 32 | | | | | | |
| | SLOW RESPONSE | = 64 | | | | | | |
| | SUPERVISORY/TBL | = 128 | | | | | | |
| AUXILIARY "C" (EMERGENCY) | | = 4 | | | | | | |
| | SHUNTABLE †† | = 32 | | | | | | |
| | SLOW RESPONSE | = 64 | | | | | | |
| | SUPERVISORY/TBL | = 128 | | | | | | |
| KEYSWITCH † | | = 5 | | | | | | |
| | MAINTAINED TYPE | = 16 | | | | | | |
| | SHUNTABLE | = 32 | | | | | | |
| | SUPERVISORY/TBL | = 128 | | | | | | |
| COMMUNICATOR REPORT ONLY | | = 6 | | | | | | |
| | SHUNTABLE | = 32 | | | | | | |
| | SLOW RESPONSE | = 64 | | | | | | |
| | SUPERVISORY/TBL | = 128 | | | | | | |
| TOTAL VALUE FOR SELECTED ZONE TYPE = | | | | | | | | |
| FUNCTION # FOR ENTERING VALUE TOTAL | | | 41 | 42 | 43 | 44 | 45 | 46 |

| ZONE | PROTECTION |
|-------------------------------|------------|
| 1 = | |
| 2 = | |
| 3 = | |
| 4 = | |
| 5 = | |
| 6 = | |
| KEYPAD PANIC ZONE "A" = _____ | |
| KEYPAD PANIC ZONE "B" = _____ | |
| KEYPAD PANIC ZONE "C" = _____ | |

SPECIAL FUNCTIONS

ASSIGNABLE OUTPUT (terminal 3)
Activates upon:

ALARMS

- Burglar Alarms **
- Aux. "A" Alarms
- Aux. "B" Alarms
- Aux. "C" Alarms

or

NON-ALARMS (one only)

- Key 7 Sw. Power Reset/Auto Tests
- Access Activation
- Supervisory/Trouble conditions
- Entrance Pre-alarms and Chime

DATE: _____

INSTALLED BY: _____

†† U.L. Does not permit this zone to be programmed as shuntable
† Shall not be employed in U.L. Listed Installations.

* Burglar Loops shall not be defined as Supervisory/Trouble in U.L. Listed Systems
** Burglar Loops shall be defined as audible in U.L. Listed Systems

NOTE: Refer to Section 5 for U.L. Listed System requirements